



# SNR BEARING CORP.OF AMERICA

220 mm x 340 mm x 118 mm SNR  
24044.EMK30W33C3 Double row spherical roller  
bearings

Bearing No. 24044.EMK30W33C3

d	220 mm
D	340 mm
B	118 mm
D1	303.4 mm
rs min	3 mm
Number of lubrication holes	3
b	14.1 mm
k	6 mm
e	0.31
Y1	2.18
Y2	3.25
Y0	2.13
Radial clearance class	C3
Mass	37.8 kg
Dynamic load, C	1,930 kN
Static load, C0	2,750 kN
Fatigue limit load, Cu	161 kN
Nref	1,200 rpm
Nlim	1,800 rpm
Min operating temperature, Tmin	40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling	7.94 Hz

24044.EMK30W33C3 Bearing 2D drawings and 3D  
CAD models



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element frequency, BSF	
Characteristic outer ring frequency, BPF0	10.1 Hz
Characteristic inner ring frequency, BPF1	12.9 Hz
da min	232.4 mm
Da max	327.6 mm
ra max	2.5 mm